



FW: Leominster HS - contractor work plan and qualifications list

Bill Wessel

to:

Kimberly Tisa

04/03/2012 10:00 AM

Cc:

Glenn Nelson

Hide Details

From: Bill Wessel <[bwessel@smithwessel.com](mailto:bwessel@smithwessel.com)>

To: Kimberly Tisa/R1/USEPA/US@EPA

Cc: Glenn Nelson <[gnelson@smithwessel.com](mailto:gnelson@smithwessel.com)>

History: This message has been replied to.

2 Attachments



image001.gif Leominster HS3-21 PCB Work Plan 3 21 12 edited version 4-2-12bw rev.pdf

Kim

I've attached RMT's updated plan. They've highlighted in bold font the issues you raised.

Also, below I've addressed the various questions and comments that you had.

Bill Wessel

---

**From:** Kimberly Tisa [<mailto:Tisa.Kimberly@epamail.epa.gov>]

**Sent:** Monday, April 02, 2012 9:07 AM

**To:** Bill Wessel

**Subject:** Re: Leominster HS - contractor work plan and qualifications list

Bill-

I've reviewed this plan and provide the following comments:



1. Page 3. I'm not clear what the fiber boards are. I also noted these in the revised SIP, so the same questions applies in the SIP. If it is the backer, I think it is reasonable that it stays with the caulk. However, further clarification is requested.

The fiber board is the backer.

2. Page 3. It is noted that all affected "CMU block" within the caulk seems will be encapsulated. However, I noted in the revised SIP that there is also reference to concrete/stone facade, not just CMU. This needs to be incorporated into the contractor work plan.

Okay. The contractor revised their plan to address this.

3. Page 6. Shouldn't the Notification go to the MassDEP CERO rather than NERO?

You're right. They adjusted the plan to notify appropriate DEP region.

4. Page 7. Is a fence going to be installed around the work area(s) when exterior work is being conducted?

All exterior PCB removal work is being conducted during school vacation hours, including summer sessions but cones and caution tape will always be used. Fences or temporary barricades will be used if any work is required during school sessions.

5. Page 7. It is indicated that all surfaces would be covered with plastic, including floor, ceiling, and walls. What about furniture, such as desks, tables, etc? Will these be removed during work or covered?

Yes. Furnishings have been moved out by the GC and won't be in work areas.

6. Page 7. There is mentioned about drains, grilles, and grates that will be covered with poly. What are these and where are they located?

I think these notes are somewhat generic and may not be in work areas. As far as drains, it is possible bathrooms may have drains and if they are within the containment for wall caulk, they would be covered. As far as grilles/grates, where caulk is being removed around perimeter of vent grilles, the openings will be covered with poly.

7. Page 7. It is unclear if the decon facility will be constructed the same way for both interior and exterior abatement. Please clarify.

Exterior abatement will utilize remote decons located proximate to work zones.

8. Page 9. It is indicated that caulk will be disposed of as a PCB bulk product waste per 40 CFR 761.3 at a TSCA-approved facility.

- For clarification, 761.3 is the definition section, not the disposal section which is 761.62 for PCB bulk product waste.

- Also, the landfills specified on Pages 12 and 13 are not "TSCA-approved" disposal facilities.

They revised their plan referencing 761.62 for PCB bulk product waste disposal. The TSCA-approved disposal facility will be Model City in New York.

9. Page 9. It is indicated that decontamination fluids will be absorbed with rags. If the liquids are not flowable, this may be a reasonable approach. However, if sufficient liquid is present to capture, these liquids could not be "absorbed" with rags for purposes of disposal in a landfill.





RMT plans on applying Capsur or other cleaning solvents with rags or apple sprayers in a controlled manner that can be cleaned up using rags.

10. Page 9. Not all debris can be disposed of as a PCB bulk product waste, only that waste which meets the definition. For example, the PPE and containment would meet the definition of a PCB remediation waste. Please note that this is also indicated in the revised SIP, so the work plan should be amended for accuracy with the PCB requirements and for consistency with the revised SIP.

RMT's revised plan reflects this.

11. Page 10. Just as a precautionary note, please make sure that each coat of encapsulant is "cured" sufficiently prior to next coat. Also, there should be some discussion of how (the procedure) the encapsulant will be applied to the surfaces.

RMT's amended plan includes greater detail on application of encapsulants.

12. Page 10. With respect to removal of the < 50 ppm PCB and asbestos containing window caulk, the proposed "limited" containment has been used successfully at other sites. As such, it seems reasonable to also apply it here.

Okay.

13. Page 10. It is indicated that once all the caulk is removed, soil remediation will begin. This statement is made in the "Exterior Window caulk removal 1961 building". Accordingly, please clarify that the soil removal will begin once all exterior building caulk has been removed (e.g. expansion joint caulk, window caulk, etc.)

Soil removal will only begin once all exterior caulk is removed, not just window caulk, and RMT revised this in their plan.

14. Page 11. It is unclear where all wastes will be disposed of. For example, used HEPA filters and pre-filters, decon water, etc.

RMT will dispose of HEPA filters, pre-filters and similar wastes at Turnkey or Minerva as PCB remediation waste. TSCA wastes will be disposed of in Model City.

15. Page 11. Each container should be labeled and dated as soon as the first waste is placed in the container, not at the end of the day. This also goes for the roll-offs.

RMT has amended their work plan to reflect this.

16. Pages 12 and 13. The proposed disposal facilities are not TSCA-approved facilities as indicated on Page 8. Also, it is unclear if these facilities can take "manifested" wastes as indicated in Section E. Thus, as previously indicated, it should be clear how each waste stream will be managed.

RMT has amended the plan to clarify how they will manage the waste streams.

Please call me should you have any questions on the above.

Also, I have reviewed the revised SIP, and have some questions. When you have an opportunity, please give me a call.

Kimberly N. Tisa  
U.S. Environmental Protection Agency  
5 Post Office Square, Suite 100  
Mail Code: OSRR07-2



Boston, MA 02109-3912

Phone: 617.918.1527

E-Fax: 617.918.0527

[tisa.kimberly@epa.gov](mailto:tisa.kimberly@epa.gov)

▼ Bill Wessel ---03/27/2012 09:39:52 PM---Kim Attached is the plan prepared by the remediation contractor, RM Technologies, as well as a listi

From: Bill Wessel <[bwessel@smithwessel.com](mailto:bwessel@smithwessel.com)>

To: Kimberly Tisa/R1/USEPA/US@EPA

Cc: Glenn Nelson <[gnelson@smithwessel.com](mailto:gnelson@smithwessel.com)>

Date: 03/27/2012 09:39 PM

Subject: Leominster HS - contractor work plan and qualifications list

Kim

Attached is the plan prepared by the remediation contractor, RM Technologies, as well as a listing of PCBs abatement projects they've conducted.

I wasn't sure if it is acceptable for me to pass this on to you or whether you needed this sent directly by them. If hard copies are needed or if you'd like it submitted in a different format, please let me know.

Thanks.

**William C. Wessel**

Principal
-----------

Smith & Wessel Associates, Inc.
---------------------------------

188 Greenville Street, Spencer, MA 01562

Tel: (978) 346 4800

Cell: (978) 580 6879

Fax: (978) 346 7265

E-mail: [William C. Wessel](mailto:William.C.Wessel@smithwessel.com)

[Smith & Wessel Associates, Inc.](http://www.smithwessel.com)

[attachment "RM Tech PCB Project History.pdf" deleted by Kimberly Tisa/R1/USEPA/US] [attachment "Leominster HS3-21 PCB Work Plan 3.21.12 edited version 3-24-12bw.pdf" deleted by Kimberly Tisa/R1/USEPA/US]







Caring for our Customers & the Environment

## PCB Work Plan

### Leominster High School Addition & Renovations

Leominster, MA

Prepared For:

**W.T. Rich Company, Inc.**

Tom Burns, Senior Project Manager

29 Crafts Street, Suite 300

Newton, MA 02458

Smith & Wessel Associates, Inc.- Consultant

188 Greenville Street, Spencer, MA 01562

City of Leominster - Owner

James Jolicoeur, Superintendent of Schools

25 West Street, Leominster, MA

Prepared by:

RM Technologies, Inc. dated March 21, 2012

33 Franklin Street - 2nd floor - Lawrence, Massachusetts 01840

Tel. 978-794-0006 | Fax: 978-794-1057



## TABLE OF CONTENT

	<u>PAGE</u>
A. Introduction .....	3
B. Site Specific Project Overview .....	4
C. Notifications and permits.....	6
D. Work Procedures .....	6
E. Transportation and Disposal Facility .....	11
F. Project Completion Report.....	12

**Appendix A – Commercially available epoxy coating**



## A. INTRODUCTION

The Leominster High School, located at 122 Granite Street, Leominster, Massachusetts, is currently under renovation and has been found to contain PolyChlorinated Byphenyls (PCBs) containing caulking with levels exceeding the allowable concentration limits specified by the United States Environmental Protection Agency (EPA) Toxic Substance Control Act (TSCA) regulations according to the Work Plan dated February 10, 2012 by Smith and Wessel Associates, Inc.'s (SWA), acting as the environmental consultant for the City of Leominster on this project. This Work Plan addresses the removal and disposal of these materials and the encapsulation of the building surfaces that are known to be contaminated through leaching of the PCBs into the associated substrates. All work will be conducted utilizing engineering controls in accordance with federal, state and local regulations and in accordance with the SWA's Work Plan. The project is being conducted by RM Technologies, Inc. (RMT) for WT Rich Construction, Inc. (WTR) under the supervision of the City of Leominster and its environmental consultant, SWA.

Elevated concentrations of PCBs (50 ppm or greater) were identified in the exterior caulking material around grilles, at decorative facades, and along the expansion joints. PCBs were also identified in window caulk and in the soil immediately adjacent to the building at less than 50 ppm. In addition, PCBs at 50 ppm or greater were identified inside the building along door frames, expansion joint seams, and between steel columns and blocks (see pgs 15 thru 17 of the Work Plan for exact material types and locations). RMT work activities include the removal of the identified regulated PCBs caulking materials and disposal of these materials as PCBs waste and/or mixed PCBs bulk product waste and Asbestos Containing Material (ACM) (vent and door caulking at the site are ACM) as outlined in 40 CFR 761. Adjacent porous materials, such as fiber boards (the fiber board is the backer), that contain PCBs will also be removed, properly packaged and disposed of as PCB bulk product waste. This work plan also includes the encapsulation of masonry surfaces from which the caulking was removed and surfaces in close proximity as a result of PCBs leaching into the substrates, thereby providing a barrier between any remnant PCBs on the surfaces and the environment. In accordance with SWA's Plan, we will encapsulate all affected CMU block **and stone facade** within caulk seams and at a minimum 36" from the caulk seam and for brick within caulk seams and a minimum of 8" from the caulk seam.





This work does not include any sampling and and/or analysis for confirmatory results of the abatement areas or disposal characterization. The visual inspection and confirmatory surface sampling will be conducted by SWA working directly for the City of Leominster. Post remediation surface sampling results shall be 1 microgram per 100 square centimeters (1 µg/100 cm<sup>2</sup>) or less per 40 CFR 761.79. Sampling shall be conducted in accordance with the requirements of SWA's Work Plan.

The remediation work in this plan will take place by phases over a period of two years starting in the spring of 2012 and ending the summer 2013 and (See Work Plan for a detailed phasing schedule). RMT will perform the remediation work in every phase as described in this work plan below utilizing trained and experienced personnel to build full containment isolation barriers with negative pressure and a three chamber decontamination unit to prevent the migration of contaminants out of the work space. All work to be performed under the direct supervision and leadership of the owner's environmental representative.

## **B. SITE SPECIFIC PROJECT OVERVIEW**

In each work space RMT's employees will perform this work safely utilizing engineering controls to ensure that no contaminants leave the work area by erecting and maintaining full isolation containments equipped with negative air machines for negative pressure, a three chamber decontamination unit consisting of a chamber for spent personal protective equipment (PPE), another for personnel and tool cleaning and washing and a clean room for changing into street clothes. Proper PCB announcing signage will be posted at the entrance of the work area to make it a regulated area where only trained and authorized personnel will be allowed.

All RMT's employees who will work in the regulated area will be trained and will have successfully completed the OSHA 40 hours training for hazardous waste and emergency response pursuant to 29 CFR 1910.120, a PCB removal, handling and disposal awareness training as well as a job specific orientation to ensure that employees are apprised of the site safety and health plan that this plan is being followed by all involved. In addition, each of these employees have been trained, certified and



licensed to perform asbestos abatement work in the state of Massachusetts with a minimum field experience of two years.

RMT will look to set up a pre-construction meeting with all the stakeholders of the project team to better understand the dynamics and rules of the jobsite, determine entry/exit routes, staging areas, location for disposal dumpster and to further plan the logistics to start the work. RMT will mobilize to the Leominster HS building upon acceptance of this work plan by the EPA and the City of Leominster and when authorized by our client WTR. The project will commence with the mobilization of the tools and equipment to physically perform the work, including and not limited to ladders, scaffoldings, etc., material and supplies to build the containments, decontamination units, personnel and site preparation and all required site specific documentation required to perform a successful project including a copy of this work plan.

Every work area will be contained in strict accordance with this work plan and a visual inspection will be requested by the RMT site supervisor from the owner's on site environmental representative before proceeding with any abatement activities. After securing a successful visual inspection RMT workers will prepare themselves with PPEs and proceed with the abatement activities in the following sequence: Caulking gross removal, packaging, labeling and removal from work area, chemical decontamination of all exposed surfaces, final cleanup of containment and tools and equipment, successful visual inspection by SWA, encapsulation of required surfaces to completely separate any remnant PCBs from the environment, further visual inspections by SWA and confirmatory surface sampling. Following successful visual inspection, containment tear down and packaging, labeling and disposal as PCBs contaminated waste all polyethylene used to construct the containment. All remediation activities described comply with EPA TSCA requirements to protect the environment and public health. RMT takes safety seriously to this end RMT Safety Manager will be conducting random unannounced site safety visits to inspect and ensure the effectiveness of this project's site safety and health plan and the adherence to this work plan.





All material shall be disposed of in a manner to meet all federal and state requirements. Therefore, all waste will be placed in DOT approved roll off containers lined with two layers of polyethylene awaiting approval for transportation and disposal.

### **C. NOTIFICATIONS AND PERMITS**

RMT will notify in writing the Massachusetts Department of Safety (DOS) and **the Massachusetts Department of Environmental Protection**, United States Department of Environmental Protection (Central Region), the Leominster Fire Department and Health Department 10 working days prior to the start of any actual phased work.

### **D. WORK PROCEDURES**

#### **1. Job Specific Orientation as part of Preparation and setup procedures**

- Perform an initial Health and safety meeting prior to commencing PCB abatement
- Review Health and safety Plan (HASP)
- Identify hospital route map
- Discuss PPEs requirements
- Review MSDS forms for on-site materials
- Identify spill preventative measures and response protocol as outlined in HASP
- Identify evacuation route plan
- Procedure to ensure electrical equipment has been properly surge protected.
- Discuss the job site dynamics, rules of conduct and parking requirements
- Discuss waste staging area procedures and protocols
- Ensure that all employees paperwork and licenses are up to date and active
- Discuss and explain this work plan

#### **2. RMT site supervisor shall ensure that the following work practices are utilized:**

##### **(a) Work Area Preparation.**



Exclusion of Persons from the Work Area. All persons not directly involved in the work operation shall be excluded from the Work Area.

Sign In/Out Log. Each person entering or leaving the Work Area individually completes the appropriate entries in the sign-in/out log.

Posting of Warning Signs. Warning signs shall be posted at all approaches to the Work Area. Signs shall be posted a sufficient distance from the Work Area to permit a person to read the sign(s) and take precautionary measures to avoid exposure to contaminants being worked on inside the work area, namely PCBs for all work areas and PCBs and Asbestos for work areas involving vent and door caulking.

**Moveable Objects: All moveable objects will be removed from the work area.**

Shutdown of HVAC Systems. The facility heating, ventilation and air-conditioning (HVAC) systems of the Work Area shall be shut down, locked out and isolated from the work area.

Covering of all surfaces that do not contain PCBs. All surfaces within the work areas not scheduled for PCB remediation or decontamination cleanup shall be covered with plastic. Floor, ceiling and wall covering shall consist of at least two layers of six mil plastic sheeting. All seams and joints shall be sealed with duct tape or equivalent. Plastic sheet coverings shall be completely sealed with duct tape or equivalent.

Isolation of Work Area. The Work Area shall be isolated by sealing all openings, including but not limited to, windows, doors, ventilation openings and grilles with six mil thick (minimum) plastic sheeting and duct tape. For PCBs on the exterior RMT shall build a sealed five feet wide tunnel along the wall made up of two layers of six mil plastic sheeting supported from the building by wood strapping, scaffolding, studding, plywood, staples and duct tape. All cracks, seams and openings in such construction shall be sealed, so as to prevent the migration of dust out of the Work Area.

GFCI Protection. All sources of electric power for the Work Area shall be ground fault circuit interrupter (GFCI) protected.

Location of Decontamination Facilities. **Interior Work:** RMT shall install a three-compartment decontamination facility contiguous with the Work Area and used as the only means of entry and egress to and from the work area, as prescribed by 29 CFR Part





1926.1101(j)(1). Except as may be required during emergencies which endanger life or health, the decontamination facility shall be the sole means through which the isolated work space is accessed while work is in progress. **Exterior Work: The decontamination unit will be remote and located in close proximity to the regulated work area.**

Requirement For Work Area Ventilation System. RMT shall install a HEPA-filtered Work Area ventilation system through the use of negative air machines to maintain a reduced atmospheric pressure of at least -0.02 column inches of water pressure differential within the contained Work Area. The system shall be in operation at all times from the commencement of the PCBs removal process through encapsulation, wipe sampling and until a successful final air clearance test (for asbestos if present) is performed by the owner's environmental representative. The ventilation equipment utilized shall be of sufficient capacity to provide a minimum of four air changes per hour. Make-up air entering the Work Area shall pass through the decontamination system exclusively. Exhaust air shall be HEPA-filtered before being discharged outside of the Work Area. Exhaust air tubes or ducts associated with the Work Area ventilation system shall be free of leaks. In all cases the exhaust air shall be discharged to the outside of the building.

**(b) Sequential removal and cleaning process.**

Personal Protection. In any work area once the PCB removal has commenced all employees shall wear the following personal protective equipment (PPEs) inside the work area: Hard hats, protective glasses, Tyvek protective suits, 30 mil nitrile gloves, disposable shoe covers, steel toe working boots and half face respirator equipped with HEPA filters. The PPEs shall be worn inside the work area by all RMT personnel until a successful final air clearance test is performed by the owner's environmental representative.

Personal OSHA Monitoring. OSHA Personal monitoring samples shall be collected in the breathing zone and outside of the respirator face-piece to determine the level of exposure by workers in the work area and the level of effectiveness of the respirator chosen for the job at hand. Results shall be posted within 24 hours on the work area RMT information board in the form of a Negative exposure assessment. If reading levels are elevated the





personal respiratory protection will be increased and more engineering controls will be utilized to minimize contaminants from the air. The PEL for PCBs is 1mg/m<sup>3</sup>.

Gross Caulking removal. The caulking shall be removed until no visible caulking remains through the use of small hand and/or power tools. RMT shall take special care not to damage building finishes or construction materials. If a surface has visible damage prior to the commencement of the removal process RMT supervisor will bring it to the attention of the WTR superintendent for documentation and verification and a picture will be taken.

Caulking packaging. Caulking shall be packaged in two six mil poly bags, a generation label will be placed outside the bag indicating the source and the type of caulking inside either PCBs or mixed waste PCBs and asbestos. Bags shall be placed into properly lined roll-off containers for disposal as PCB bulk product waste **per 40 CFR 761.62 at a licensed and approved facility.**

Surface cleanup and decontamination. Capsur, a foam-applied aqueous based solvent for the clean-up of PCBs, shall be used to clean non-visible caulking residue from porous surfaces adjacent to the caulk seams. All surfaces within 8 inches in the case of bricks of the caulk seam and within 36 inches for concrete block **and stone facades** shall be sprayed with the Capsur foam. The foam will be brushed onto the surface with a stiff brush and left for a five minute dwell time. The residues shall be vacuumed up, and the surfaces lightly rinsed with water and then re-vacuumed. The Capsur cleaning process will be performed twice on all impacted surfaces in the work areas.

Containment cleanup: All areas within the work space shall be thoroughly cleaned and HEPA vacuumed to the point of no visible debris in preparation for a visual inspection by the owner's environmental consultant. Decontamination fluids will be absorbed with rags, placed in poly bags and labeled appropriately. All containment debris and solid waste such as HEPA filters, pre-filters and rags shall be properly packaged in poly bags, labeled and removed to a properly lined roll-off containers for disposal as PCB remediation waste per 40 CFR 761.61.

Encapsulation. After a successful visual inspection by the owner's environmental consultant, all brick surfaces extending out 8 inches from the caulk seam and out 36 inches



on concrete block and **stone facades** shall be encapsulated **by hand with a sprayer and brushes** with a commercially available epoxy coating chosen by the owner's representative from the list provided as Appendix A. The epoxy shall be evenly applied onto the affected surfaces until fully covered. At a minimum, 2 coats of the encapsulant shall be applied to associated substrates and three coats to the affected caulk seam. **The encapsulant shall be dried before another coat is applied.** SWA will then conduct post remediation wipe samples of representative seams and substrates. If the results are greater than 1 µg/100 cm<sup>2</sup>, additional coats of encapsulant will be applied and the areas retested by SWA. This process will not be complete until acceptable results are attained.

Exterior window caulk removal 1961 building. Because exterior window caulk PCB results were all less than 50 ppm, we are requesting relief from full containment requirements. We are requesting that the containment be limited to sealing the interior window openings with (2) layers of 6 mil polyethylene sheeting and placing polyethylene sheeting at the exterior base of the building extending out 10' and secured. All PCB/ACM caulk will be wet scraped directly into 6 mil disposal bags. At the completion of the removal, the polyethylene ground cover and associated debris will be packaged for disposal as a mixed waste. Following removal of affected caulk, SWA will conduct post remediation visual inspections. Once all the caulk is removed, we will begin the soil remediation as stated below.

Soil removal in all non-paved locations abutting the 1961 building. The poly on the ground will be cut back three feet away from the edge of the exterior wall to expose the soil. RMT workers shall remove and bag in poly bags for proper disposal as PCBs bulk waste the top six inches of the exposed soil **after all exterior caulking has been removed from the walls and no visible caulking can be observed.**

Final Containment cleaning: All areas within the work space shall be thoroughly cleaned and HEPA vacuum to the point of no visible debris in preparation for a visual inspection, soil sampling, wipe testing and air clearance by the owner's environmental consultant. Additional re-cleaning may occur as required the owner's environmental representative.





### 3. Decontamination Procedures

Decontamination of Personnel Required. No employees shall leave the Work Area without first decontaminating their persons by wet washing and HEPA vacuuming to remove all visible debris.

Equipment Decontamination. No equipment, supplies, or materials (except properly containerized waste material) shall be removed from the Work Area unless such equipment, supplies or materials have been thoroughly decontaminated free of all visible debris with an appropriate solvent or wipe with a solvent rag as required by 40 CFR 761.79 and 40 CFR 761 Subpart S. Where decontamination is not feasible, as it is the case for filters used such materials shall be wrapped in a minimum of two layers of six mil polyethylene sheeting with all joints, seams and overlaps sealed with tape or containerized in poly bag. Said wrapped equipment, supplies or materials shall be labeled as being PCBs contaminated prior to removal from the Work Area. HEPA vacuums shall be emptied of contents prior to removal from the Work Area. Air filtration devices shall have used pre- filters removed and replaced with fresh filters prior to removal from the Work Area. **Used HEPA filters, pre-filters, and containment barriers shall all be disposed of as PCB remediation waste.**

### 4. Waste Staging Area

The waste staging area shall be set up next to the building for direct loading to the extent possible. Watertight, tarped roll-off containers will be staged within these areas and lined with two layers of six mil polyethylene sheeting to handle the PCB affected waste. The roll-offs will be accessed and closed at the end of each trip. **All containers with PCB waste, wrapped windows and poly bags, shall be individually labeled and dated within the work area as PCB containing material before being placed in their respective roll offs for disposal.** At the completion of the day operation the roll-offs will be sealed, secured and labeled.



The filled secured roll-offs containers will be transported when full to the approved disposal facilities listed below. The staging area will then receive another roll-off to repeat the same process until all of the waste has been removed off site. Upon completion of the waste staging and successful remediation operations as determined by the owner's environmental representative, all the polyethylene sheeting and any contaminated debris will be packaged in poly bags, labeled and will be loaded and disposed at the appropriate facilities listed below.

Roll-off cans will be properly labeled with the PCB ML mark and the accumulation start date of the first PCB materials placed into the roll-offs in accordance with storage time limits spelled out in 40 CFR 761.65(c)(9). The roll-offs will be labeled for proper disposal facility designations.

#### **E. TRANSPORTATION AND DISPOSAL FACILITY**

PCB contaminated waste shall be transported via a waste shipment manifest to be signed by the generator (The City of Leominster), transporter and the end facility. Copies of all manifests will be included in the project completion report. Originals shall be the property of the generator.

The PCB waste will be shipped by a licensed hazardous waste transporter. The waste will be shipped via secure, lined, roll-off containers with proper waste shipping manifest documentation. PCB remediation and bulk product waste shall be disposed at an approved and licensed land fill facility from the list below and Solid PCB and The transporters that may be used are:

##### **Waste Haulers:**

###### **Service Transport Group**

58 Pyles Lane, New Castle, DE 19720

877-999-9559

U.S.D.O.T# 781586

###### **United Waste Management**



155 Bodwell Street, Avon, MA 02322

781-710-5073

**Landfills:**

**Minerva Landfill**

9000 Minerva Road

Waynesburg, OH 44688

330-866-3435

Permit#15-1292

**Turnkey Landfill of Rochester**

97 Rochester Neck Road

Rochester, NH

603-335-3028

**Chemical Waste Management**

15050 Balmer Road

Model City, NY

716-7548231

**F. PROJECT COMPLETION**

RMT will provide the City of Leominster with a project completion report that includes waste manifests, waste shipment records and disposal receipts within 45 days of this work being complete.





## **Appendix A**

### **commercially available epoxy coating**

- A Pratt and Lambert Palgard Polyamide Epoxy - 2 part white pigmented (also called Polyguard)**
- B Sika Corporation Sikaguard Epoxy - 2 part gray pigmented**
- C Sika Corporation Sikaguard Epoxy - 2 part tan pigmented**
- D Tnemec Co Epoxyrime II - 2 part epoxy clear**
- E Rust-Oleum Corp Sem-Epoxy- 2 part epoxy clear.**
- F Pratt and Lambert Enducryl 2 part epoxy clear**

